

Title (en)
TWO-STAGE CONTINUOUS PROCESS FOR PRODUCING A SOLVENT

Title (de)
ZWEISTUFIGES KONTINUIERLICHES VERFAHREN ZUR HERSTELLUNG EINES LÖSUNGSMITTELS

Title (fr)
PROCÉDÉ EN DEUX ÉTAPES CONTINU POUR LA PRODUCTION D'UN SOLVANT

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Application
EP 13745705 A 20130723

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Abstract (en)
[origin: WO2014016576A1] The present invention relates to a two stage continuous microbiological process for the production of solvents such as acetone, butanol and ethanol. Preferably, the process involves the use of a solventogenic bacteria such as clostridia. In the first (acidogenic) stage, the culture vessel is fed with fresh growth media at dilution rates that support fast growth and acid production. The culture flows into the second (solventogenic) stage, which is a separate culture vessel or vessels, designed to provide the culture with sufficient residence time to convert acids into solvents. Preferably this vessel is tubular or a series of linked batch vessels.

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Cited by
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